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PATENT, TRADEMARK
 AND COPYRIGHT LAW

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JC675 U.S. PTO
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 12/10/01

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 J1131 U.S. PTO

Date: December 10, 2001

Attorney Docket No. TSM-18

24956
 PATENT TRADEMARK OFFICE

To: Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir: Transmitted herewith for filing is the patent application of:

Inventor: H. OGAWA et al (See Attached List)

For:
 DISK APPARATUS

Enclosed are:

31 Sheets of Drawings

This application is being filed without an executed Declaration.

Priority is claimed from Japanese Application No. 2000-376054
 filed December 11, 2000. A certified copy is attached herewith.

Copies of the disclosure documents listed on the attached PTO 1449 form and
 discussed in the specification or attached Information Disclosure Statement.

A verified statement to establish small entity status under 37 CFR 1.9 and 1.27.

Specification: Abstract X, Description 32 pages; and 11 claim(s).

Preliminary Amendment.

Executed Declaration.

The filing fee is calculated as shown below:

For:	No. Filed	No. Extra
Basic Fee		
Total Claims	11 -20 =	* 0
Indep Claims	3 - 3 =	* 0
<input type="checkbox"/> Multiple Dependent Claim (s)		

* If difference is less than zero
 then enter '0' in second column

Small Entity

Rate	Fee
	\$ 370
x 9	\$
x 42	\$
+ 140	\$
Total	\$

OR

Rate	Fee
	\$ 740
x 18	\$ 0
x 84	\$ 0
+ 280	\$ 0
Total	\$ 740

A check in the amount of \$ 740.00 is enclosed for the filing fee.

The Commissioner is hereby authorized to charge any additional fees that may be required to
 Deposit Account No. 50-1417.

Respectfully Submitted,

By:

Shrinath Malur

Registration No. 34,663

TSM-18
HT172801

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